| Table 48a<br>Number of Venture Capital Investments by State of Investment,<br>Wisconsin and Select Other States,<br>1991 - 2001 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 [1] |
| Colorado | 18 | 48 | 42 | 45 | 36 | 56 | 72 | 105 | 124 | 153 | 74 |
| Illinois | 18 | 36 | 36 | 34 | 28 | 48 | 68 | 80 | 89 | 135 | 64 |
| Minnesota | 11 | 25 | 25 | 23 | 29 | 37 | 67 | 75 | 56 | 86 | 53 |
| Ohio | 9 | 22 | 18 | 20 | 19 | 40 | 50 | 54 | 44 | 51 | 23 |
| Michigan | 3 | 17 | 14 | 7 | 14 | 23 | 23 | 23 | 36 | 39 | 17 |
| **Wisconsin** | **2** | **7** | **10** | **9** | **5** | **4** | **14** | **10** | **14** | **18** | **13** |
| Indiana | 2 | 5 | 9 | 7 | 6 | 12 | 15 | 9 | 9 | 19 | 7 |
| Iowa | 2 | 3 | 5 | 6 | 2 | 4 | 7 | 11 | 4 | 5 | 1 |
| Nebraska | na | 1 | 5 | 2 | 4 | 3 | 4 | 5 | 3 | 5 | 1 |
| Peer States | 63 | 157 | 154 | 144 | 138 | 223 | 306 | 362 | 365 | 493 | 240 |

Note: [1] through September 30, 2001

*Source: Venture Economics/NVCA/Thomson Financial Securities Data and Andersen*

| Table 48b<br>Value of Venture Capital Investments by State of Investment ($M),<br>Wisconsin and Select Other States,<br>1991 - 2001 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 [1] |
| Colorado | $20.50 | $135.30 | $165.70 | $192.40 | $138.50 | $305.40 | $357.60 | $779.90 | $2,097.50 | $4,718.60 | $1,100.20 |
| Illinois | $12.10 | $67.40 | $113.00 | $173.50 | $181.70 | $303.60 | $417.40 | $547.10 | $1,254.00 | $2,373.00 | $583.90 |
| Minnesota | $7.70 | $58.30 | $40.60 | $47.70 | $165.30 | $115.30 | $251.10 | $655.10 | $526.80 | $1,143.40 | $437.20 |
| Ohio | $8.20 | $70.20 | $73.40 | $85.40 | $50.80 | $147.50 | $283.40 | $299.30 | $520.80 | $724.40 | $154.00 |
| Michigan | $0.90 | $33.10 | $51.80 | $19.20 | $54.20 | $81.40 | $144.30 | $135.30 | $448.00 | $542.00 | $98.20 |
| **Wisconsin** | **$8.20** | **$32.70** | **$33.30** | **$15.80** | **$8.80** | **$12.70** | **$93.10** | **$94.90** | **$123.30** | **$150.00** | **$68.30** |
| Indiana | $0.60 | $20.90 | $37.90 | $29.30 | $17.80 | $125.00 | $36.50 | $48.10 | $157.60 | $289.90 | $48.10 |
| Nebraska | na | $0.10 | $18.60 | $3.50 | $22.20 | $7.20 | $12.40 | $16.80 | $19.40 | $99.40 | $3.00 |
| Iowa | $0.50 | $1.40 | $26.00 | $21.80 | $1.40 | $13.80 | $17.30 | $33.40 | $6.90 | $24.20 | $0.10 |
| Peer States | 50.50 | 386.70 | 527.00 | 572.80 | 631.90 | 1,099.20 | 1,520.00 | 2,515.00 | 5,031.00 | 9,914.90 | 2,424.70 |

Note: [1] through September 30, 2001

*Source: Venture Economics/NVCA/Thomson Financial Securities Data and Andersen*

| Table 48c<br>Average Value of Venture Capital Investments by State of Investment ($M),<br>Wisconsin and Select Other States,<br>1991 - 2001 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 [1] |
| Colorado | $1.14 | $2.82 | $3.95 | $4.28 | $3.85 | $5.45 | $4.97 | $7.43 | $16.92 | $30.84 | $14.87 |
| Illinois | $0.67 | $1.87 | $3.14 | $5.10 | $6.49 | $6.33 | $6.14 | $6.84 | $14.09 | $17.58 | $9.12 |
| Minnesota | $0.70 | $2.33 | $1.62 | $2.07 | $5.70 | $3.12 | $3.75 | $8.73 | $9.41 | $13.30 | $8.25 |
| Indiana | $0.30 | $4.18 | $4.21 | $4.19 | $2.97 | $10.42 | $2.43 | $5.34 | $17.51 | $15.26 | $6.87 |
| Ohio | $0.91 | $3.19 | $4.08 | $4.27 | $2.67 | $3.69 | $5.67 | $5.54 | $11.84 | $14.20 | $6.70 |
| Michigan | $0.30 | $1.95 | $3.70 | $2.74 | $3.87 | $3.54 | $6.27 | $5.88 | $12.44 | $13.90 | $5.78 |
| **Wisconsin** | **$4.10** | **$4.67** | **$3.33** | **$1.76** | **$1.76** | **$3.18** | **$6.65** | **$9.49** | **$8.81** | **$8.33** | **$5.25** |
| Nebraska | na | $0.10 | $3.72 | $1.75 | $5.55 | $2.40 | $3.10 | $3.36 | $6.47 | $19.88 | $3.00 |
| Iowa | $0.25 | $0.47 | $5.20 | $3.63 | $0.70 | $3.45 | $2.47 | $3.04 | $1.73 | $4.84 | $0.10 |
| Peer States | $0.80 | $2.46 | $3.42 | $3.98 | $4.58 | $4.93 | $4.97 | $6.95 | $13.78 | $20.11 | $10.10 |

Note: [1] through September 30, 2001

*Source: Venture Economics/NVCA/Thomson Financial Securities Data and Andersen*

| Table 48d<br>Value of Venture Capital Investments by State of Investment per 100,000 residents,<br>Wisconsin and Select Other States,<br>1991 - 2001 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 [1] |
| Colorado | $605,894 | $3,893,662 | $4,643,024 | $5,249,300 | $3,679,291 | $7,899,532 | $9,006,329 | $19,125,252 | $50,082,754 | $109,702,713 | $24,905,417 |
| Minnesota | $173,944 | $1,301,651 | $895,898 | $1,040,299 | $3,563,029 | $2,456,307 | $5,286,972 | $13,632,476 | $10,834,772 | $23,242,299 | $8,783,506 |
| Illinois | $104,982 | $579,943 | $964,275 | $1,468,315 | $1,525,007 | $2,527,063 | $3,445,592 | $4,478,942 | $10,181,305 | $19,107,368 | $4,662,715 |
| Ohio | $75,252 | $641,302 | $667,485 | $773,077 | $457,771 | $1,323,112 | $2,530,605 | $2,660,425 | $4,608,241 | $6,380,614 | $1,350,282 |
| **Wisconsin** | **$166,092** | **$656,270** | **$662,185** | **$311,310** | **$171,798** | **$245,663** | **$1,784,375** | **$1,802,200** | **$2,320,066** | **$2,796,590** | **$1,261,707** |
| Michigan | $9,618 | $351,361 | $546,198 | $201,102 | $563,908 | $841,256 | $1,481,373 | $1,379,718 | $4,538,007 | $5,453,570 | $981,494 |
| Indiana | $10,723 | $370,075 | $664,925 | $509,320 | $306,572 | $2,133,108 | $617,142 | $805,800 | $2,615,943 | $4,767,712 | $783,784 |
| Nebraska | na | $6,234 | $1,150,188 | $214,691 | $1,350,791 | $434,568 | $742,397 | $997,731 | $1,142,866 | $5,808,575 | $173,898 |
| Iowa | $17,912 | $49,892 | $921,723 | $768,785 | $49,113 | $481,582 | $600,564 | $1,153,403 | $237,031 | $826,976 | $3,399 |
| Peer States | $101,866 | $773,214 | $1,044,539 | $1,125,396 | $1,230,663 | $2,122,052 | $2,908,782 | $4,770,831 | $9,460,165 | $18,480,815 | $4,480,012 |

Note: [1] through September 30, 2001

*Source: Venture Economics/NVCA/Thomson Financial Securities Data and Andersen*

Table 49
Cybercity Rankings,
Milwaukee and Comparable MSAs,
2000

| | Milwaukee | | Chicago | | Minneapolis | |
|---|---|---|---|---|---|---|
| | Number | Rank | Number | Rank | Number | Rank |
| High-tech workers | 28,012 | 40 | 180,425 | 3 | 98,431 | 9 |
| Jobs added between 1993 - 1998 | 2,600 | | 38,200 | 5 | 20,100 | |
| High-tech employment per 1,000 | 38 | | 52 | | 69 | 22 |
| Average high-tech wage | $50,900 | 37 | $57,600 | 26 | $54,400 | 32 |
| Percent difference to average private sector wage | 60% | | 53% | | 53% | |
| High-tech establishments | 1,069 | 37 | 7,114 | 3 | 4,042 | 8 |
| Venture Capital Investments in 1999 (million) | $27 | 52 | $1,400 | 10 | $437 | 22 |
| University R&D Expenditures in 1997 (million) | $78 | 42 | $606 | 6 | $363 | 15 |
| Percent of households with a computer in August 2000 | 49% | 52 | 52% | 44 | 65% | 9 |
| Percent of households with internet access in August 2000 | 69% | 50 | 41% | 47 | 49% | 19 |

*Source: American Electronics Association*

Table 50
Cyberstate Rankings,
Wisconsin and Select States,
2001

| | Colorado | | Illinois | | Indiana | | Iowa | | Michigan | | Minnesota | | Nebraska | | Ohio | | Wisconsin | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | Rank | Number | Rank | Number | Rank | Number | Rank | Number | Rank | Number | Rank | Number | Rank | Number | Rank | Number | Rank |
| High-tech workers | 180,866 | 10 | 220,952 | 6 | 67,910 | 23 | 45,034 | 27 | 105,626 | 17 | 138,007 | 13 | 36,644 | 32 | 149,210 | 12 | 71,931 | 22 |
| Jobs added between 1993 - 1998 | 75,600 | 4 | 41,400 | 11 | -3,400 | 51 | 16,600 | 23 | 21,800 | 19 | 33,400 | 15 | 9,400 | 29 | 35,000 | 12 | 18,600 | 21 |
| High-tech employment per 1,000 | 97 | 1 | 43 | 22 | 26 | 39 | 37 | 29 | 27 | 38 | 61 | 7 | 50 | 19 | 31 | 33 | 30 | 36 |
| Average high-tech wage | $66,378 | 8 | $62,438 | 11 | $43,061 | 41 | $40,307 | 45 | $54,897 | 22 | $55,118 | 21 | $46,425 | 35 | $50,739 | 27 | $46,747 | 34 |
| Percent difference to average private sector wage | 93% | | 72% | | 43% | | 52% | | 53% | | 64% | | 76% | | 63% | | 60% | |
| High-tech establishments | 6,383 | 12 | 11,426 | 4 | 3,220 | 21 | 1,964 | 30 | 5,353 | 15 | 5,814 | 13 | 1,211 | 36 | 6,654 | 11 | 2,835 | 22 |
| High-tech exports (millions) | $4,100 | 11 | $6,200 | 7 | $1,700 | 24 | $442 | 36 | $1,700 | 25 | $4,400 | 10 | $248 | 40 | $2,500 | 17 | $2,000 | 22 |
| High-tech exports as percent of overall exports | 62% | | 20% | | 11% | | 10% | | 5% | | 43% | | 10% | | 9% | | 19% | |
| Venture Capital Investments in 1999 (million) | $4,700 | 5 | $2,200 | 11 | $288 | 27 | $23 | 41 | $514 | 24 | $1,100 | 17 | $51 | 37 | $652 | 21 | $303 | 26 |
| University R&D Expenditures in 1997 (million) | $4,600 | 14 | $8,800 | 7 | $3,100 | 18 | $1,100 | 34 | $13,700 | 2 | $3,800 | 16 | $315 | 42 | $7,000 | 11 | $2,500 | 23 |
| Percent of households with a computer in August 2000 | 63% | 4 | 50% | 28 | 49% | 32 | 54% | 20 | 51% | 25 | 57% | 10 | 49% | 31 | 50% | 30 | 51% | 26 |
| Percent of households with internet access in August 2000 | 52% | 3 | 39% | 28 | 39% | 31 | 37% | 35 | 41% | 24 | 42% | 20 | 37% | 39 | 39% | 29 | 40% | 27 |

*Source: American Electronics Association*

| Table 51<br>Metros Most Sensitive to High-Tech Recession Ranked by Peak to Trough<br>United State MSAs,<br>1999 | | | |
|---|---|---|---|
| | Tech-Pole | Percent Decline, Peak to Trough | Percent Decline, Cycle Relative to Trend |
| 1 | Rochester, MN | -11.61 | -20.85 |
| **2** | **Eau Claire, WI** | **-9.78** | **-17.74** |
| 3 | South Bend, IN | -8.86 | -13.93 |
| 4 | Wichita, KS | -8.74 | -13.33 |
| 5 | Killeen-Temple, TX | -8.24 | -15.34 |
| 6 | Williamsport, PA | -8.03 | -12.39 |
| 7 | Tucson, AZ | -7.84 | -13.44 |
| **8** | **La Crosse, WI-MN** | **-6.57** | **-14.39** |
| **9** | **Sheboygan, WI** | **-6.27** | **-8.11** |
| 10 | Jamestown, NY | -6.2 | -12.35 |
| 11 | Benton Harbr, MI | -6.02 | -10.88 |
| 12 | Dutchess County, NY | -5.73 | -15.66 |
| 13 | West Palm Beach-Boca Raton, FL | -5.72 | -11.41 |
| 14 | Rockford, IL | -5.6 | -10.07 |
| 15 | Lexington, KY | -5.3 | -10.67 |
| 16 | Fort Collins-Loveland, CO | -5.27 | -13.4 |
| 17 | Greeley, CO | -5.2 | -12.36 |
| 18 | Yakima, WA | -5.18 | -8.46 |
| 19 | Fayetteville, NC | -4.95 | -7.97 |
| 20 | Beaumont-Port Arthur, TX | -4.93 | -9.26 |
| 21 | Utica-Rome, NY | -4.85 | -10.48 |
| 22 | Fayetteville-Springdale-Rogers, AR | -4.83 | -8.17 |
| 23 | Baton Rouge, LA | -4.8 | -7.35 |
| 24 | Boise City, ID | -4.73 | -15.31 |
| 25 | Savannah, GA | -4.72 | -8.3 |
| 26 | Knoxville, TN | -4.7 | -9.48 |
| 27 | Mansfield, OH | -4.69 | -7.43 |
| 28 | Amarillo, TX | -4.59 | -8.62 |
| 29 | Raleigh-Durham-Chapel Hill, NC | -4.54 | -12.18 |
| 30 | Brownsville-Harlingen-San Benito, TX | -4.51 | -9.52 |
| 31 | Erie, PA | -4.41 | -8.28 |
| 32 | Lake Charles, LA | -4.38 | -6.8 |
| 33 | Parkerburg-Marietta, WV-OH | -4.28 | -7.55 |
| 34 | Lakeland-Winter Haven, FL | -4.22 | -7 |
| 35 | Hamilton-Middletown, OH | -4.16 | -8.73 |
| 36 | Binghamton, NY | -4.15 | -11.22 |
| 37 | Sacramento, CA | -4.13 | -10.74 |
| 38 | Greenville-Spartanburg-Anderson, SC | -4.13 | -8.05 |
| 39 | Altoona, PA | -4.11 | -7.24 |
| 40 | Mobile, AL | -4.1 | -7.9 |
| 41 | Bellingham, WA | -4.09 | -8.66 |
| **42** | **Green Bay, WI** | **-4.08** | **-7.33** |
| 43 | Toledo, OH | -4.03 | -10.01 |
| 44 | Houston, TX | -3.96 | -8.85 |
| 45 | Lewiston-Auburn, ME | -3.83 | -7.73 |
| 46 | Roanoke, VA | -3.81 | -8.6 |
| 47 | Abilene, TX | -3.77 | -8.57 |
| 48 | Santa Fe, NM | -3.77 | -8.76 |
| 49 | Dayton-Springfield, OH | -3.77 | -9.99 |
| 50 | Punta Gorda, FL | -3.75 | -6.38 |

Sources: Milken Institute

| Table 52<br>"America's High-Tech Economy"<br>Wisconsin and Comparable MSAs,<br>1999 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Milken Institute Tech-Pole [1] | | Location Quotient [2] | | % of National Real Output [3] | | Relative Output Growth (1990-1998) [4] | |
| | Score | Rank [5] | Score | Rank [5] | Score | Rank [5] | Score | Rank [5] |
| Madison | | | | | | | | |
| **Madison, WI MSA** | **0.112** | **90** | **0.801** | **94** | **0.140** | **96** | **1.06131** | **112** |
| Ann Arbor, MI PMSA | 0.129 | 85 | 0.797 | 95 | 0.161 | 90 | 0.96703 | 147 |
| Boulder-Longmont, CO PMSA | 1.123 | 27 | 2.891 | 6 | 0.389 | 51 | 1.39311 | 47 |
| Columbus, OH MSA | 0.390 | 54 | 0.804 | 93 | 0.485 | 41 | 1.01782 | 126 |
| Lansing-East Lansing, MI MSA | 0.031 | 150 | 0.458 | 164 | 0.068 | 130 | 1.17609 | 84 |
| Rochester, MN MSA | 1.953 | 16 | 5.559 | 1 | 0.351 | 56 | 0.85446 | 203 |
| Milwaukee | | | | | | | | |
| **Milwaukee-Waukesha, WI PMSA** | **0.251** | **68** | **0.631** | **121** | **0.398** | **50** | **0.74821** | **232** |
| Chicago, IL PMSA | 3.751 | 8 | 0.998 | 67 | 3.759 | 5 | 1.20389 | 78 |
| Cleveland-Lorain-Elyria, OH PMSA | 0.225 | 69 | 0.495 | 146 | 0.453 | 43 | 0.68511 | 256 |
| Denver, CO PMSA | 1.812 | 19 | 1.393 | 34 | 1.301 | 20 | 1.47048 | 38 |
| Des Moines, IA MSA | 0.063 | 116 | 0.568 | 138 | 0.112 | 108 | 0.98583 | 138 |
| Detroit, MI PMSA | 0.790 | 38 | 0.660 | 117 | 1.197 | 21 | 0.92570 | 160 |
| Indianapolis, IN MSA | 1.070 | 29 | 1.278 | 45 | 0.837 | 30 | 0.86098 | 201 |
| Minneapolis-St. Paul, MN-WI MSA | 0.981 | 32 | 0.858 | 85 | 1.143 | 22 | 0.99948 | 133 |
| Omaha, NE-IA MSA | 0.405 | 52 | 1.151 | 56 | 0.352 | 55 | 1.16911 | 86 |
| Other Wisconsin | | | | | | | | |
| **Appleton-Oshkosh-Neenah, WI MSA** | **0.009** | **207** | **0.268** | **240** | **0.035** | **188** | **0.86298** | **199** |
| **Duluth-Superior, MN-WI MSA** | **0.048** | **129** | **0.812** | **92** | **0.059** | **138** | **1.10473** | **99** |
| **Eau Claire, WI MSA** | **0.034** | **142** | **0.846** | **86** | **0.040** | **178** | **1.06431** | **110** |
| **Green Bay, WI MSA** | **0.003** | **253** | **0.162** | **294** | **0.019** | **227** | **0.91438** | **167** |
| **Janesville-Beloit, WI MSA** | **0.002** | **272** | **0.175** | **287** | **0.009** | **272** | **0.71637** | **240** |
| **Kenosha, WI PMSA** | **0.002** | **280** | **0.227** | **258** | **0.008** | **281** | **1.58012** | **27** |
| **La Crosse, WI-MN MSA** | **0.002** | **274** | **0.187** | **281** | **0.009** | **274** | **1.20164** | **80** |
| **Racine, WI PMSA** | **0.002** | **263** | **0.146** | **297** | **0.011** | **257** | **0.71329** | **241** |
| **Sheboygan, WI MSA** | **0.002** | **266** | **0.220** | **264** | **0.010** | **264** | **0.78321** | **222** |
| **Wausau, WI MSA** | **0.001** | **301** | **0.121** | **304** | **0.006** | **300** | **0.55162** | **290** |

Notes:

[1] Milken Institute "Tech-Pole" is a composite index combining the percentage of national high-tech real output and the concentration of high-tech industries – or location quotient – for each metro.

[2] Location Quotient compares the value of high-tech output as a share of total output in a metro area relative to the same percentage for the United States. If LQ > 1, high-tech industry is more concentrated in the metro than in the U.S. on average.

[3] % of National Real Output measures the percentage of all the nation's high-tech output that comes from that metro.

[4] Relative Output Growth (1990–98) measures growth in output of high-tech industries as compared to the national growth rate in high-tech. A value of more than 1.0 means the metro's high-tech output grew faster than the nation's high-tech growth from 1990-98.

[5] Rank is by 315 US MSAs

*Source: Milken Institute and Andersen*

Table 53
New Economy Indicators,
Milwaukee and Comparable MSAs,
2000

| | Chicago | | Cleveland | | Columbus | | Denver | | Detroit | | Indianapolis | | Milwaukee | | Minneapolis | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Indicator** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** |
| **Overall Score** | **19** | 37.7 | **33** | 29.5 | **36** | 28.5 | **7** | 58.1 | **28** | 31.8 | **29** | 31 | **40** | 26.5 | **10** | 49 |
| **Aggregated Knowledge Jobs** | **35** | 8.9 | **19** | 10.4 | **22** | 10.1 | **2** | 12.8 | **29** | 9.8 | **28** | 9.8 | **32** | 9.6 | **3** | 12.8 |
| **Managerial, Professional & Tech Jobs** [1] | **29** | 36% | **17** | 39% | **19** | 38% | **5** | 45% | **23** | 37% | **15** | 39% | **26** | 37% | **4** | 45% |
| **Workforce Education** [2] | **36** | 0.53 | **26** | 0.6 | **27** | 0.59 | **3** | 0.68 | **30** | 0.58 | **33** | 0.55 | **32** | 0.56 | **4** | 0.68 |
| **Aggregated Globalism Scores** | **24** | 9.4 | **34** | 9 | **47** | 8.5 | **48** | 8.5 | **8** | 10.8 | **18** | 9.6 | **45** | 8.6 | **16** | 9.9 |
| **Export Focus Of Manufacturing** [3] | **24** | $32,000 | **34** | $26,000 | **47** | $18,000 | **48** | $17,000 | **8** | $55,000 | **18** | $36,000 | **45** | $19,000 | **16** | $40,000 |
| **Aggregated Economic Dynamism Scores** | **25** | 9.7 | **38** | 8.4 | **43** | 8.2 | **4** | 12 | **48** | 7.5 | **35** | 8.7 | **30** | 9.3 | **17** | 10.7 |
| **"Gazelle" Jobs** [4] | **28** | 9.40% | **32** | 9.40% | **39** | 8.50% | **25** | 9.60% | **44** | 8.10% | **38** | 8.60% | **16** | 10.30% | **18** | 10.20% |
| **Job Churning** [5] | **17** | 10.1 | **44** | 9.3 | **36** | 9.6 | **1** | 11.7 | **48** | 9.1 | **24** | 10 | **34** | 9.6 | **12** | 10.6 |
| **New Publicly Traded Companies** [6] | **16** | 3.5 | **41** | 0.5 | **37** | 0.9 | **6** | 7.5 | **40** | 0.6 | **35** | 1 | **38** | 0.9 | **15** | 3.6 |
| **Aggregated Digital Economy Scores** | **14** | 10.6 | **29** | 7.9 | **35** | 7.1 | **5** | 12.9 | **30** | 7.8 | **23** | 8.9 | **32** | 7.3 | **20** | 9.4 |
| **Online Population** [7] | **19** | 44.80% | **37** | 37.30% | **27** | 41.10% | **7** | 49.00% | **36** | 38.80% | **23** | 42.30% | **35** | 38.90% | **18** | 45.00% |
| **Broadband Telecommunications Capacity** [8] | **6** | 3.94 | **26** | 2.78 | **31** | 2.61 | **2** | 4.52 | **14** | 3.34 | **28** | 2.76 | **48** | 2.02 | **21** | 2.86 |
| **Computer Use In Schools** [9] | **24** | 68% | **10** | 75% | **19** | 70% | **35** | 64% | **17** | 72% | **7** | 77% | **4** | 79% | **9** | 76% |
| **Commercial Internet Domain Names** [10] | **26** | 0.8 | **38** | 0.55 | **30** | 0.63 | **13** | 1.05 | **37** | 0.56 | **39** | 0.54 | **33** | 0.58 | **21** | 0.91 |
| **Internet Backbone** [11] | **17** | 41 | **21** | 35 | **48** | 7 | **4** | 57 | **41** | 18 | **18** | 39 | **29** | 24 | **44** | 15 |
| **Aggregated Innovation Capacity** | **24** | 9.2 | **31** | 8.3 | **19** | 9.6 | **7** | 11.5 | **23** | 9.3 | **38** | 7.7 | **36** | 7.9 | **10** | 10.6 |
| **High-Tech Jobs** [12] | **15** | 4.00% | **36** | 2.60% | **26** | 3.00% | **5** | 5.10% | **33** | 2.70% | **30** | 2.70% | **31** | 2.70% | **9** | 4.70% |
| **Degrees Granted In Science and Engineering** [13] | **25** | 9.9 | **24** | 9.9 | **7** | 10.8 | **12** | 10.5 | **14** | 10.3 | **37** | 9.6 | **34** | 9.6 | **27** | 9.8 |
| **Patents** [14] | **21** | 0.5 | **20** | 0.51 | **34** | 0.3 | **14** | 0.54 | **8** | 0.71 | **15** | 0.53 | **27** | 0.47 | **4** | 0.85 |
| **Academic R&D** [15] | **32** | 9.8 | **34** | 9.7 | **7** | 10.3 | **27** | 9.8 | **20** | 9.9 | **49** | 9.4 | **41** | 9.6 | **25** | 9.9 |
| **Venture Capital** [16] | **21** | 0.23% | **42** | 0.04% | **44** | 0.04% | **6** | 1.20% | **40** | 0.04% | **48** | 0.01% | **38** | 0.08% | **12** | 0.42% |

Notes:

[1] Managers, professionals, and technicians as a share of the total workforce

[2] A weighted measure of the educational attainment (advanced degrees, bachelor's degrees, or some college course work) of the workforce

[3] Manufacturing export sales per manufacturing worker.

[4] Jobs in gazelle companies (companies with annual sales revenue growth 20 percent or more for four straight years) as a share of total employment

[5] A score based on the number of new start-ups and business failures within each metro

[6] The number of companies' initial public stock offerings as a share of gross metropolitan product

[7] The percentage of adults with Internet access at work or at home

[8] The number of broadband competitors per zip code area

[9] The percentage of children using computers in the classroom.

[10] The number of commercial Internet domain names (".com") per total number of businesses

[11] Total capacity of all Internet backbone links to other metropolitan areas as share of employment

[12] Jobs in electronics and high-tech electronics manufacturing, software and computer-related services, telecommunications, data processing and information services, biomedical and electromedical services as a share of total employment.

[13] A weighted measure of the degrees granted in scientific and technical fields as a share of the workforce

[14] The number of utility patents issued to companies or individuals per 1,000 workers

[15] A combined measure of industry investment in R&D at academic institutions and total academic R&D

[17] Venture capital invested as a share of gross metropolitan product

*Source: Progressive Policy Institute and Andersen*

Table 54
New Economy Indicators,
Wisconsin and Select States,
2000

| | Colorado | | Illinois | | Indiana | | Iowa | | Michigan | | Minnesota | | Nebraska | | Ohio | | Wisconsin | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Indicator** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** | **Rank** | **Score** |
| **Overall** | **3** | 72.32 | **22** | 48.37 | **37** | 40.95 | **42** | 33.51 | **34** | 44.59 | **14** | 56.53 | **36** | 41.81 | **33** | 44.77 | **32** | 44.92 |
| **Aggregated Knowledge Jobs Scores** | **3** | 9.08 | **9** | 8.07 | **43** | 4.07 | **38** | 4.73 | **34** | 4.96 | **7** | 8.11 | **16** | 6.81 | **27** | 5.57 | **30** | 5.32 |
| **Office Jobs** [1] | **15** | 19.10% | **5** | 22.90% | **34** | 16.70% | **28** | 17.70% | **24** | 18.60% | **7** | 21.50% | **13** | 20.10% | **14** | 20.00% | **23** | 18.60% |
| **Managerial, Professional, and Technical Jobs** [2] | **4** | 27.90% | **8** | 27.70% | **36** | 22.30% | **38** | 22.10% | **45** | 20.50% | **7** | 27.70% | **18** | 25.40% | **23** | 24.60% | **30** | 23.60% |
| **Workforce Education** [3] | **1** | 75.9 | **22** | 60.6 | **42** | 48.5 | **37** | 52.65 | **31** | 56.25 | **14** | 63.6 | **26** | 59.65 | **40** | 50.75 | **36** | 53.15 |
| **Aggregated Globalization Scores** | **27** | 5.88 | **20** | 6.3 | **19** | 6.36 | **42** | 4.53 | **24** | 6.19 | **26** | 5.9 | **46** | 4.09 | **13** | 6.68 | **39** | 5.05 |
| **Export Focus of Manufacturing** [4] | **17** | 18.20% | **15** | 18.60% | **23** | 17.80% | **39** | 14.90% | **11** | 20.40% | **20** | 18.00% | **47** | 13.70% | **13** | 20.00% | **27** | 17.30% |
| **Foreign Direct Investment** [5] | **25** | 3.50% | **19** | 4.00% | **15** | 4.20% | **42** | 2.40% | **28** | 3.40% | **22** | 3.60% | **45** | 2.00% | **17** | 4.20% | **40** | 2.50% |
| **Aggregated Economic Dynamism Scores** | **3** | 9.5 | **22** | 6.4 | **34** | 5 | **50** | 2.7 | **41** | 4 | **40** | 4.1 | **35** | 4.8 | **30** | 5.4 | **27** | 5.8 |
| **"Gazelle" Jobs** [6] | **28** | 13.60% | **17** | 14.40% | **26** | 13.80% | **46** | 12.10% | **42** | 12.40% | **35** | 13.20% | **18** | 14.40% | **29** | 13.60% | **10** | 15.40% |
| **Job Churning** [7] | **3** | 3.50% | **24** | 2.40% | **32** | 2.20% | **49** | 1.40% | **31** | 2.20% | **45** | 1.70% | **43** | 1.80% | **28** | 2.30% | **35** | 2.10% |
| **Initial Public Offerings** [8] | **4** | 1.05% | **16** | 0.39% | **30** | 0.17% | **31** | 0.16% | **38** | 0.08% | **22** | 0.25% | **25** | 0.21% | **20** | 0.31% | **26** | 0.19% |
| **Aggregated Digital Economy Scores** | **4** | 9.73 | **44** | 2.86 | **28** | 5.41 | **36** | 4.89 | **33** | 5.01 | **9** | 8.62 | **19** | 6.71 | **35** | 4.94 | **14** | 7.22 |
| **Online Population** [9] | **2** | 47% | **43** | 26% | **41** | 26% | **38** | 27% | **42** | 26% | **12** | 35% | **30** | 30% | **28** | 30% | **29** | 30% |
| **Commercial Internet Domain Names** [10] | **6** | 0.32 | **20** | 0.24 | **31** | 0.18 | **45** | 0.13 | **36** | 0.17 | **23** | 0.23 | **40** | 0.14 | **27** | 0.2 | **32** | 0.18 |
| **Technology in Schools** [11] | **13** | 2.61 | **38** | 1.42 | **23** | 1.94 | **11** | 2.72 | **39** | 1.4 | **7** | 2.92 | **4** | 3.16 | **36** | 1.49 | **22** | 1.99 |
| **Digital Government** [12] | **30** | 58.5 | **50** | 39.4 | **16** | 67.1 | **26** | 59.5 | **9** | 70.6 | **8** | 71.2 | **15** | 67.2 | **27** | 59.4 | **2** | 79.5 |
| **Aggregated Innovation Capacity Scores** | **4** | 10.97 | **19** | 6.6 | **29** | 4.68 | **32** | 4.05 | **15** | 7.63 | **10** | 8.58 | **36** | 3.66 | **25** | 5.31 | **30** | 4.68 |
| **High-Tech Jobs** [13] | **2** | 8.00% | **21** | 4.20% | **33** | 2.70% | **31** | 2.90% | **34** | 2.60% | **7** | 5.90% | **20** | 4.40% | **32** | 2.90% | **35** | 2.40% |
| **Scientists and Engineers** [14] | **6** | 0.56% | **23** | 0.38% | **43** | 0.29% | **39** | 0.31% | **27** | 0.36% | **24** | 0.38% | **34** | 0.33% | **26** | 0.37% | **44** | 0.29% |
| **Patents** [15] | **12** | 0.6 | **14** | 0.53 | **24** | 0.42 | **30** | 0.27 | **10** | 0.64 | **9** | 0.72 | **39** | 0.19 | **18** | 0.5 | **20** | 0.47 |
| **Industry Investment in R&D** [16] | **15** | 1.70% | **17** | 1.60% | **12** | 1.80% | **21** | 1.40% | **1** | 4.90% | **11** | 2.00% | **41** | 0.30% | **22** | 1.40% | **24** | 1.30% |
| **Venture Capital** [17] | **3** | 0.34% | **15** | 0.11% | **33** | 0.03% | **35** | 0.02% | **31** | 0.04% | **7** | 0.17% | **42** | 0.00% | **29** | 0.06% | **27** | 0.07% |

Notes:

[1] Jobs in offices as a share of the total number of jobs in each state.

[2] Managers, professionals, and technicians as a share of the total workforce.

[3] A weighted measure of the educational attainment of the workforce (advanced degrees, bachelor's degrees, associate's degrees, or some college course work).

[4] The share of jobs in manufacturing companies dependent upon exports.

[5] The percentage of each state's workforce employed by foreign companies.

[6] Jobs in gazelle companies (companies with annual sales revenue that has grown 20 percent or more for four straight years) as a share of total employment.

[7] The number of new start-ups and business failures, combined, as a share of all companies in each state.

[8] The value of the initial public stock offerings of companies as a share of gross state product.

[9] The percentage of adults with Internet access in each state.

[10] The number of commercial Internet domain names (".com") per firm.

[11] A weighted measure of the percentage of classrooms wired for the Internet, teachers with technology training, and schools with more than 50 percent of teachers having school-based e-mail accounts.

[12] A measure of the utilization of digital technologies in state governments.

[13] Jobs in high-tech electronics manufacturing, software and computer-related services, and telecommunications as a share of total employment.

[14] Civilian scientists and engineers as a percentage of the workforce.

[15] The number of patents issued to companies or individuals per 1,000 workers.

[16] Private sector investment in research and development as a share of Gross State Product.

[17] Venture capital invested as a percentage of Gross State Product.

*Source: Progressive Policy Institute and Andersen*